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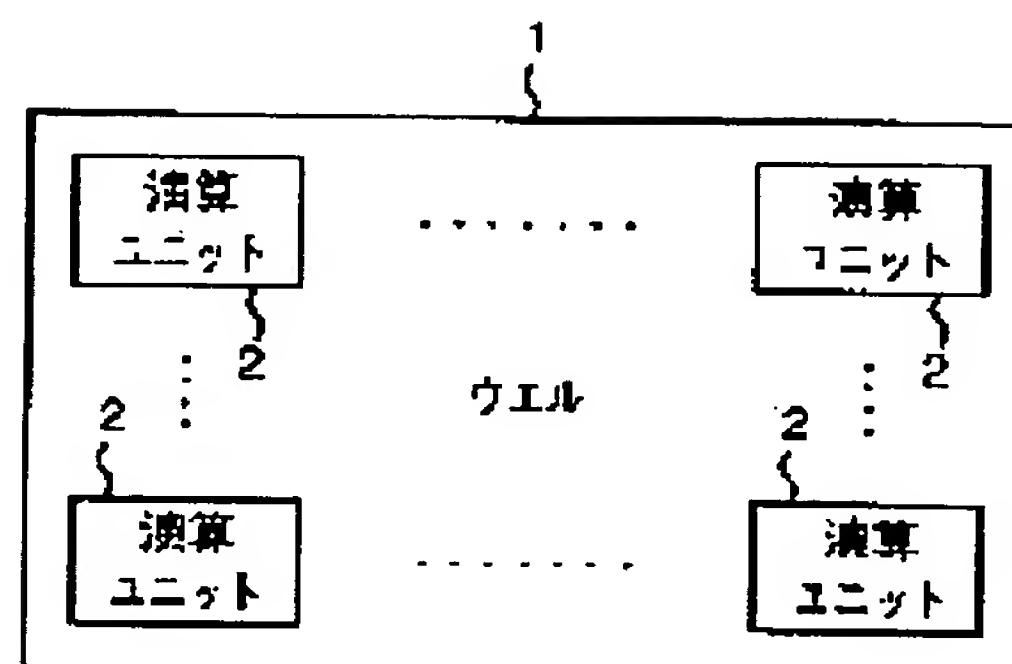
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## (54) SEMICONDUCTOR DEVICE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To reduce the power consumption of data transfer between circuit modules more easily than that of radio wave communication by using no signal wiring for parallel processing and suppressing the load to a driver to the minimum.

**SOLUTION:** In a semiconductor device, a plurality of arithmetic units 2 is loaded in one well 1 in such a way that the units 2 are not connected to each other through wiring. The information transmitted to the units 2 are processed in parallel by propagating the information in the well 1. Since the well 1 is used as the propagating route of signals, no signal wiring is required for the parallel processing. Therefore, an increase in wiring load can be suppressed and the circuit configuration becomes simpler than that for radio wave communication. Accordingly, the power consumption of information transmission can be suppressed.



## LEGAL STATUS

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